

<p align="center"><b>NATIONAL PHASE UTILITY APPLICATION</b></p> <p align="center"><b>Transmittal to the (DO/EO/US) Under 35 USC 371</b></p>	<p>Attorney Docket No.: UHT1.001APC  First Named Inventor: Lorenza Mariscal-Gonzalez  Int'l Application No.: PCT/IB03/00280  Int'l Filing Date: January 10, 2003  Priority Date Claimed: None  Title: EMPLOYMENT OF ROTAVIRUS PROTEINS, DERIVED  PROTEINS AND PEPTIDES FOR THE MODULATION  OF TISSUE PERMEABILITY  Express Mail Label No.: EV309178202US</p>
<p><b>Direct all correspondence to Customer No.: 20995</b></p> <p align="right">Date: June 27, 2005 Page 1 of 2</p>	

**Mail Stop PCT**

United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

**Inventors:**

1. Lorenza Mariscal-Gonzalez
2. Porfirio Nava-Dominguez

**APPLICATION ELEMENTS:**

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) The U.S. has been elected (Article 31).
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) has been communicated by the International Bureau.
- (X) An English translation of the International Application as filed is not required.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.

**OTHER APPLICATION PARTS:**

- (X) Preliminary Amendment in 9 pages.
- (X) Abstract in 1 page.
- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing references for consideration:
  - (X) Listing 7 references.
  - (X) Enclosing 7 references.
- (X) Copy of cover page of International Publication Number WO 03/098991 A2.
- (X) International Search Report.
- (X) International Preliminary Examination Report.
- (X) Return prepaid postcard.

<b>NATIONAL PHASE UTILITY APPLICATION</b> <b>Transmittal to the (DO/EO/US)</b> <b>Under 35 USC 371</b>	Attorney Docket No.: UHT1.001APC First Named Inventor: Lorenza Mariscal-Gonzalez Int'l Application No.: PCT/IB03/00280 Int'l Filing Date: January 10, 2003 Priority Date Claimed: None Title: EMPLOYMENT OF ROTAVIRUS PROTEINS, DERIVED PROTEINS AND PEPTIDES FOR THE MODULATION OF TISSUE PERMEABILITY Express Mail Label No.: EV309178202US
	<b>Direct all correspondence to Customer No.: 20995</b>


Date: June 27, 2005  
Page 2 of 2

**FILING FEES:**

FEE CALCULATION			
FEE TYPE & DETERMINATION	LARGE FEE	CALCULATION	TOTAL
Basic Filing Fee under 1.492(a)	1631 (\$300)		\$300
Search Fee under 1.492(b) (enter one in TOTAL column)			
(1) USPTO was the ISA	1641 (\$100)		\$400
(2) Foreign Search Report Enclosed	1642 (\$400)		
(3) No Search Report Enclosed	1632 (\$500)		
Examination Fee under 1.492(c) (enter one in TOTAL column)			
(1) USPTO was IPEA & claims satisfy Art. 33 (1)-(4))	1643 (\$100)		\$200
(2) Non US IPEA / Noncompliant Claims	1633 (\$200)		
Excess Claims	37 - 20 = 17	1615 (\$50)	17 x 50 = \$850
Excess Ind. Claims	12 - 3 = 9	1614 (\$200)	9 x 200 = \$1,800
Multiple Dep. Claim		1616 (\$360)	\$0
Application Size Fee	0 - 100 = 0	1681 (\$250)	0 x 250 = \$0
Late English Translation		1618 (\$130)	
Assignment		8021 (\$40)	0 x 40 = \$0
<b>TOTAL FEE DUE</b>			<b>\$3,550</b>
<b>TOTAL FEE PAID (If Different Than Fee Due)</b>			<b>\$</b>

(X) A check in the amount of \$3,550 to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

  
 Mark R. Benedict  
 Registration No. 44,531  
 Attorney of Record  
 Customer No. 20,995  
 (949) 760-0404

JC17 Rec'd PCT/PTO 27 JUN 2005

Mark R. Benedict, Ph.D.  
949-721-6323  
mbenedict@kmob.comMAIL STOP PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Attorney Docket No.** : UHT1.001APC

**Applicant(s)** : Mariscal-Gonzalez et al.

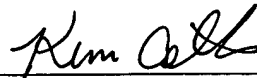
**For** : EMPLOYMENT OF ROTAVIRUS  
PROTEINS, DERIVED PROTEINS AND  
PEPTIDES FOR THE MODULATION OF  
TISSUE PERMEABILITY

**Agent** : Mark R. Benedict

**"Express Mail" Label No. :** EV309178202US

**Date of Deposit** : June 27, 2005

I hereby certify that the accompanying

Transmittal letter; Preliminary Amendment in 9 sheets; Abstract in 1 sheet; cover  
page of WO 03/098991 A2 in 2 sheets; International Search Report; International  
Preliminary Examination Report; Information Disclosure Statement, PTO Form  
PTO/SB/08 Equivalent with 7 references; Check for Filing Fee; Return Prepaid  
Postcardare being deposited with the United States Postal Service "Express Mail Post Office to  
Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.\_\_\_\_\_  
Kim Collins1771290:vr  
061505